BA LARD
267

U.S. TORPEDO BOAT DESTROYER
NO 267.
GENERAL INFORMATION. (ORIGINAL DESIGN DATA).
FOR ACTUAL CONDITIONS SEE INCLINING EXPERIMENT.

LENGTH BETWEEN PERPENDICULARS (F.P. AND STA. 40)	310'-0"
PROJECTION FORD OF F.P.	3'-0"
PROJECTION AFT OF STA. 40	1'-4½"
LENGTH OVER ALL	314'-4½"
LENGTH ON D.W.L.	310'-11½"
LENGTH OF STRAIGHT KEEL (FR. 7 TO FR. 153)	267'-9"
BREADTH- MOLDED EXTREME	30'-11½"
BREADTH- EXTREME OVER GUARDS	31'-8¼"
BREADTH- MOLDED AT TRIAL W.L.	30'-8⅝"
RATIO- LENGTH TO BEAM	10.15
DRAFT- DESIGNERS W.L. TO BOTTOM OF KEEL	9'-4"
DISPLACEMENT TO D.W.L. IN TONS	1215
DEPTH- MOLDED MAIN DK. AT SIDE, FR. 89 (5" AFT OF M.P.)	20'-8"
DISPLACEMENT- TONS PER INCH AT 9'-4" DRAFT	15.60
AREA MIDSHIP SECTION TO D.W.L. 9'-4" IN SQ. FT.	220.0
AREA- D.W.L. PLANE	6550
AREA- WETTED SURFACE TO 9'-4" W.L.	10540
BREADTH AT D.W.L. (MOLDED + 1½ THICKNESS OF PLATING)	30'-9"

C.B. FWD OF FR 89 AT 9'-4⅝" W.L.	1.3⅝"
C.G. OF D.W.L. PLANE AFT OF FR. 89 (WHICH IS 5" AFT OF M.P.)	1'-4 13/16"
TRANSVERSE METACENTRE ABOVE C.G. * ___ LONGITUDINAL METACENTRE ABOVE C.G. 7	
COEFFICIENT OF FINENESS, BLOCK	.477
" " " MID-SECTION	.788
" " " D.W.L.	.686
" " " CYLINDRICAL	.624
RUDDER AXIS FORD OF STA. 40	6'-4½"
NO. OF FRAMES- SPACING 21"	177
NO. OF W.T. COMPTS.	43
SHAFT STRUTS FORD OF A.P.	21'-3"
SHAFTS INCLINE DOWN AND AFT. P.&S.	3°-33'-14"
SHAFTS DIVERGE FROM ℄ OF SHIP P.&S.	2°-42'-33"
℄ OF SHAFT FROM ℄ OF SHIP AT FR. 99	2'-7"
" " " " " " " " 138	5'-11"
" " ABOVE MOLDED BASE AT FR. 99	10'-4¼"
" " " " " " " 138	6'-2"
PROPELLERS, TWO 3 BLADED DIA.	9'-0"
" PITCH	9'-11"
" EXPANDED AREA IN SQ. FT.	44.9
" PROJECTED " " " "	37.8
" ℄ FORD OF A.P.	17'-0"

TURBINES
MAIN PROPELLING MACHINERY

THERE ARE TWO PROPELLING SHAFTS AND PROPELLERS, EACH DRIVEN THRU A REDUCTION GEAR BY ONE HIGH PRESSURE, INTERMEDIATE PRESSURE AND LOW PRESSURE HIGH SPEED CURTIS TURBINES.

THE TURBINES DRIVING THE STARBOARD PROPELLER ARE LOCATED IN THE AFTER ENGINE ROOM, THOSE FOR THE PORT PROPELLER IN THE FORD ENGINE ROOM.

THE HIGH PRESSURE AND INTERMEDIATE PRESSURE TURBINES ARE ARRANGED IN TANDEM AND CONNECTED DIRECTLY TO THE OUTBOARD PINION OF EACH REDUCTION GEAR AND THE LOW PRESSURE AND ASTERN TURBINES, IN ONE CASING ARE CONNECTED DIRECTLY TO THE INBOARD PINIONS THE INBOARD AND OUTBOARD PINIONS, BOTH IN ONE CASING, DRIVE ONE MAIN GEAR WHICH IS COUPLED DIRECTLY TO THE LINE SHAFT.

R.P.M.

H.P. AND I.P. TURBINES	3200
L.P. TURBINES	3000
PROPELLERS	452
S.H.P. TOTAL	27,000

CONDENSERS.

TWO CONDENSERS CURVED TUBE TYPE

TOTAL COOLING SURFACE ALL CONDENSERS (SQ. FT.) ____ 1519

BOILERS

FOUR YARROW "EXPRESS" TYPE ___ LBS. PRESSURE (WORKING)	265
TOTAL HEATING SURFACE ___ SQ. FT.	27,540
NO. OF OIL BURNERS (12 PER BOILER)	48
DIA. OF MAIN STEAM PIPE	10½"
FOUR FUNNELS HEIGHT ABOVE KEEL (AVERAGE)	47'-9"

BATTERY

4-4" GUNS MARK IX MOUNT MARK XII

NO. 1 __ MAIN DK. __ FR. 28 __ ℄ __ TRAIN 90° FORD 65° AFT P&S
NO. 2 TOP OF GALLEY DECK HOUSE __ FR. 76 __ PORT __ TRAIN 87½° FORD 85° AFT PORT
NO. 3 TOP OF GALLEY DECK HOUSE __ FR. 76 __ ST'B'D __ TRAIN 87½° FORD 85° AFT ST'B'D
NO. 4 TOP OF DK. HOUSE AFT __ FR. 152 __ ℄ __ TRAIN 95° AFT 55 FORD P&S

1-3" GUN ANTI AIRCRAFT

NO. 1. MAIN DECK __ FR 162 ℄

4-6.8 M X 21" TRIPLE TORPEDO TUBES - DECK

NO. 1 __ MAIN DECK __ FR. 98 __ PORT __ TRAIN 60° FORD 60° AFT
NO. 2 " " " __ 106 __ STBD __ " 60° " 60° "
NO. 3 " " " __ 127 __ PORT __ " 60° " 60° "
NO. 4 " " " __ 138 __ STBD __ " 60° " 60° "

COMPLEME

1 COMMANDING OFFICER
5 WARDROOM OFFICERS
10 CHIEF PETTY OFFICERS

LIST OF BO

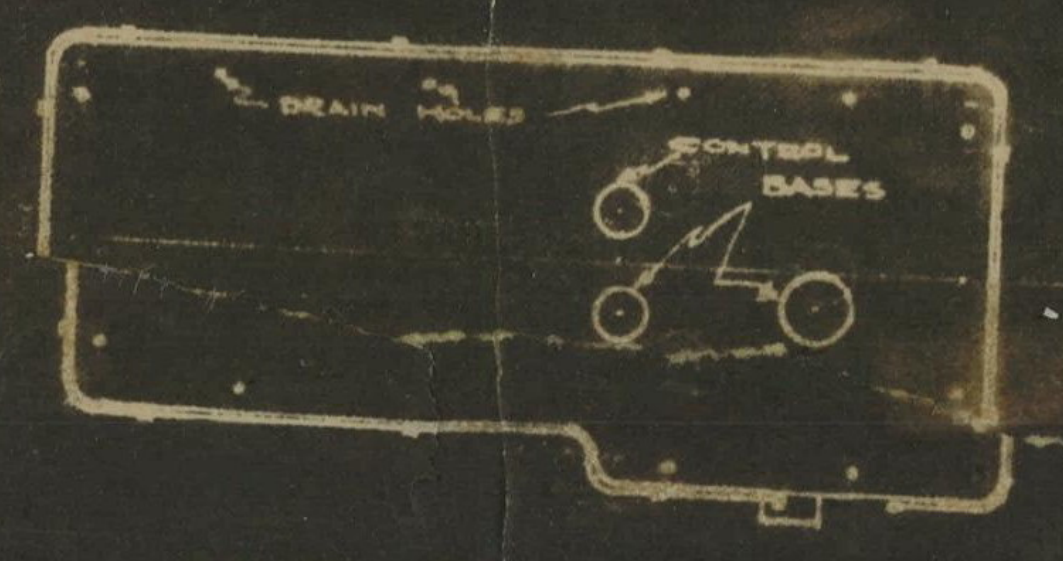
1-24' MOTOR SAILING LAUNCH
1-24' WHALE BOAT
1-21' MOTOR DORY
1-10' PUNT

CAPACITIES O

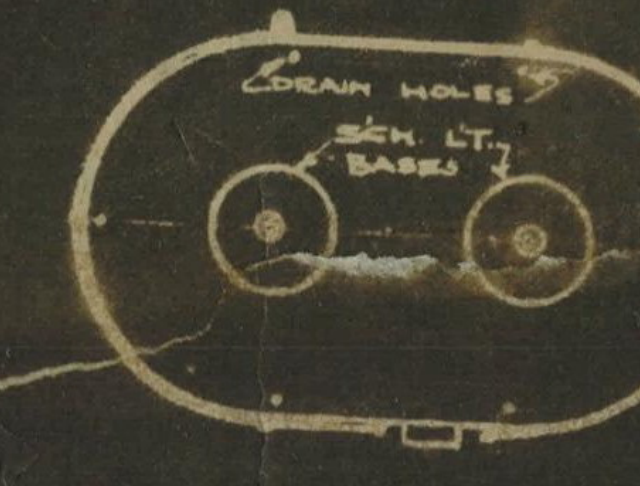
FRESH WATER TANK	B-103	39
" " "	B-104	39
RESERVE FEED "	C-101	683
COFFERDAM	A-118	447
"	B-105	42
"	B-106	42

CAPACITIES OF PEA

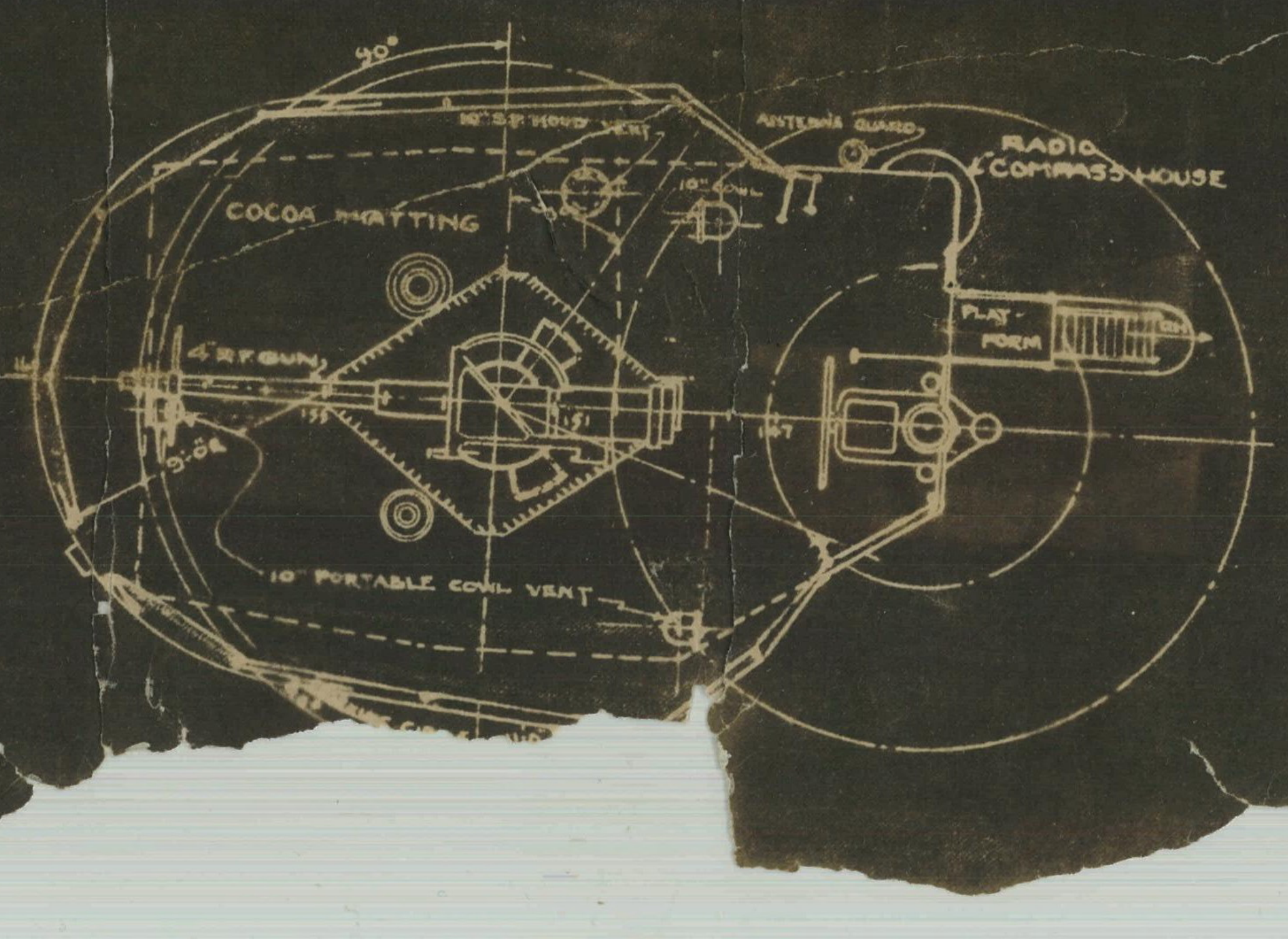
COMPT. A-101	1513 GALS.	
" A-102	3497 "	
" D-112	3441 "	

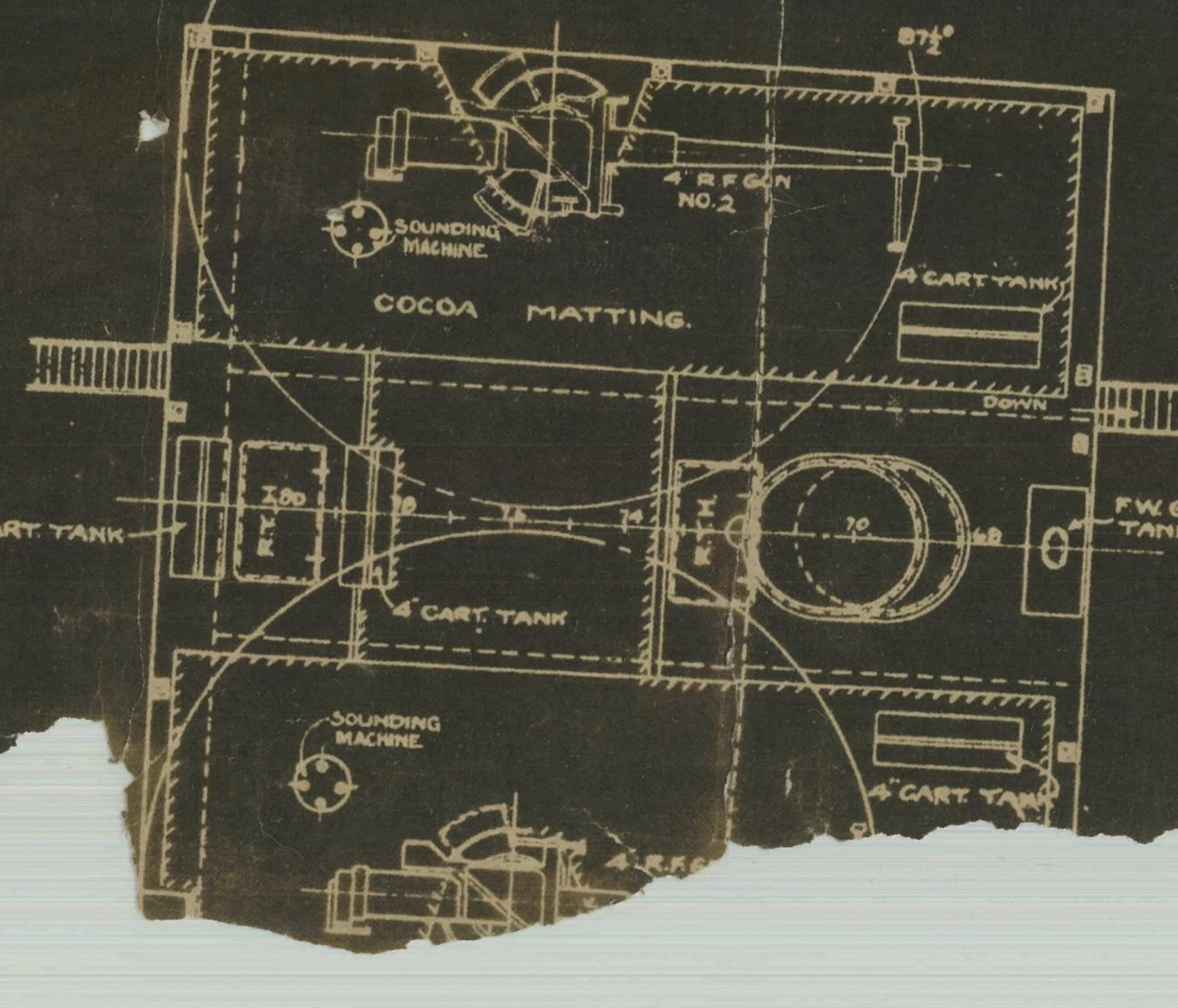


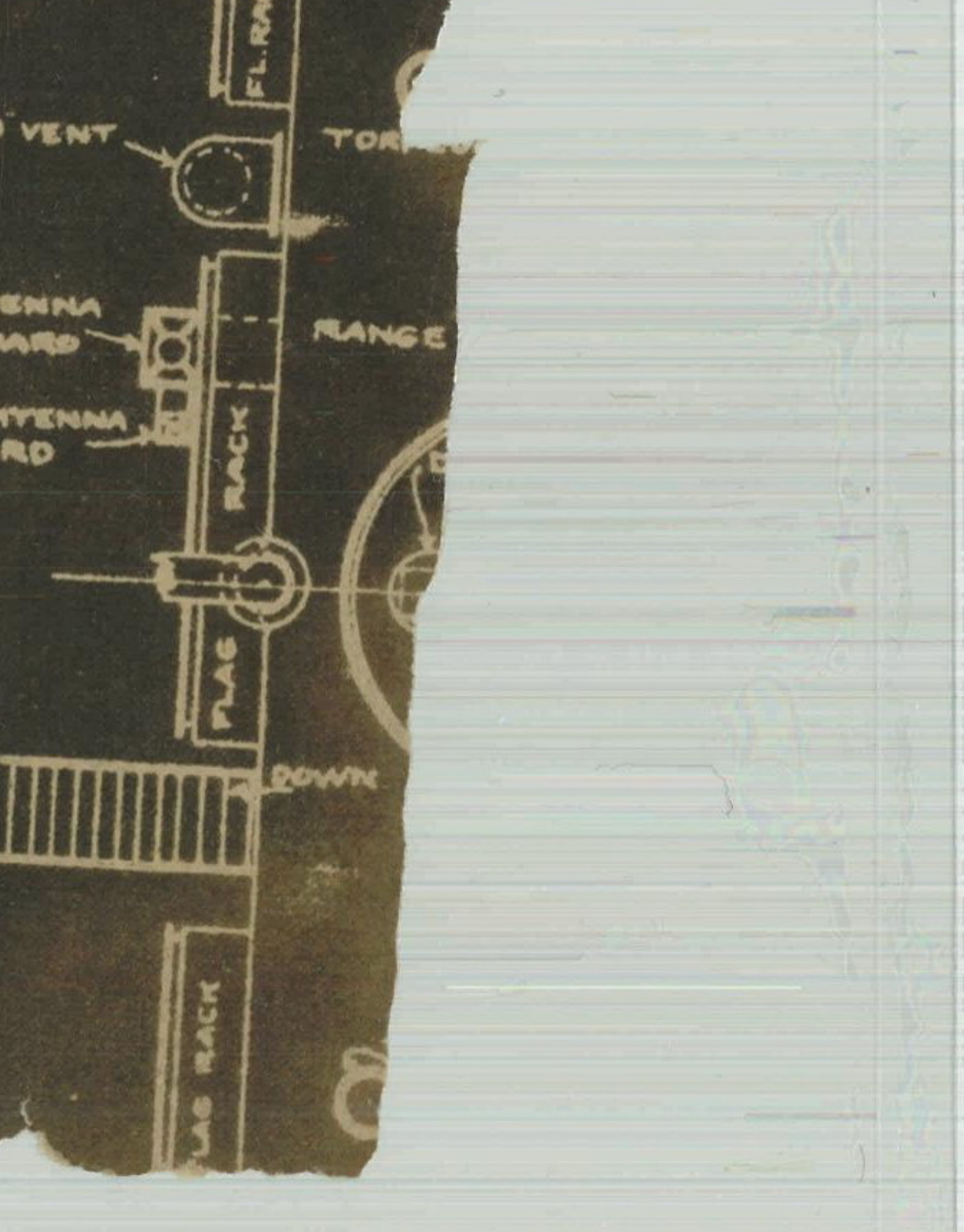
FIRE CONTROL PLATFORM.



SEARCHLIGHT PLATFORM.







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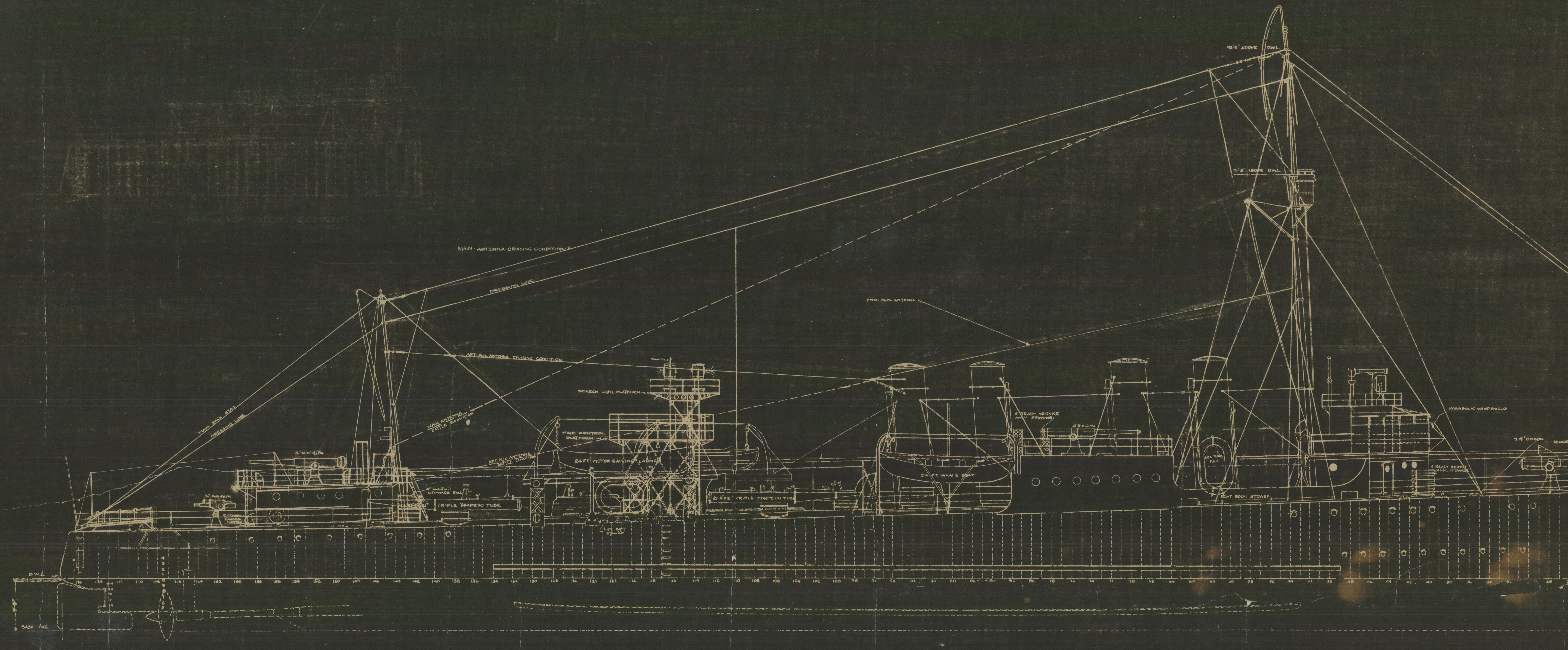
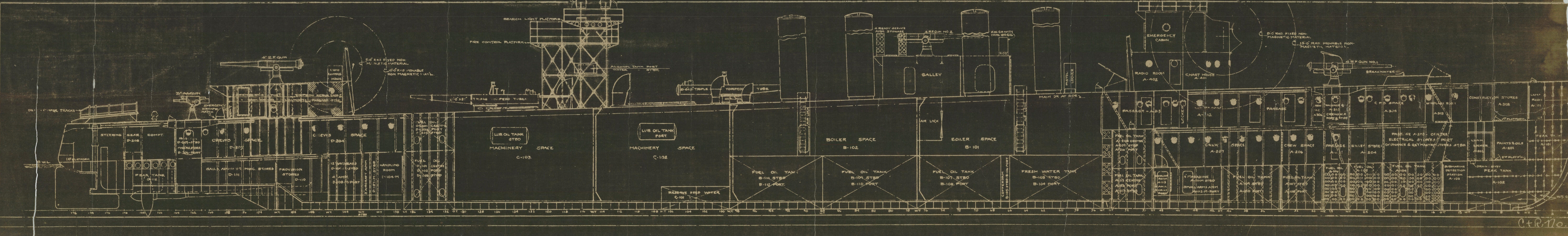
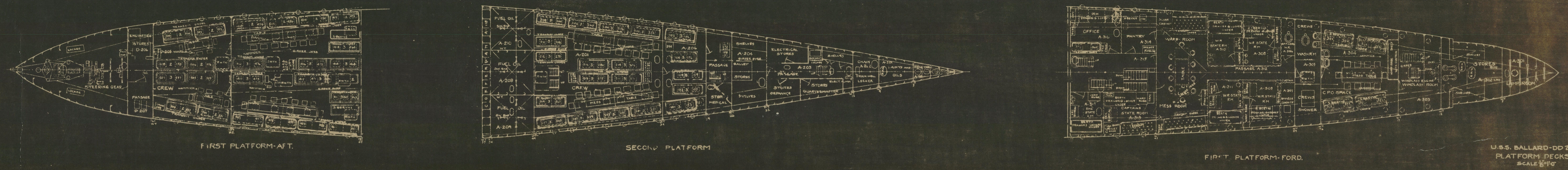


S.S. BALLARD-DD26
TBOARD PROFIL
SCALE 1/8"=1'-0"



U.S.S. BALLARD-DD267.
INBOARD PROFILE
SCALE 1/8"=1'-0"

C+R No. 93417-C

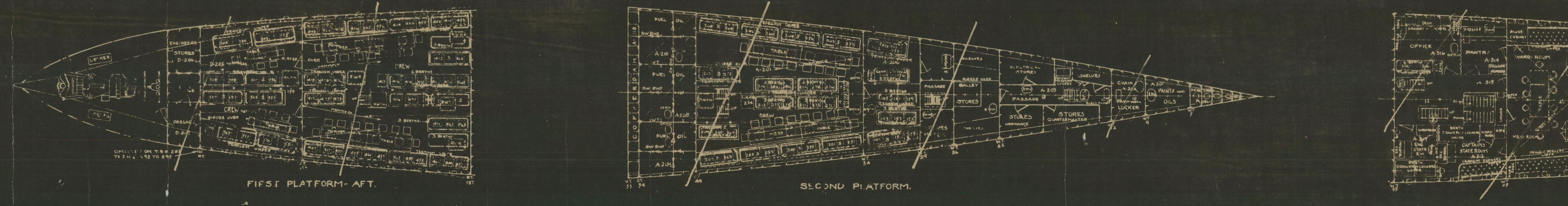


FIRST PLATFORM-AFT.

SECOND PLATFORM

FIRST PLATFORM-FORD.

U.S.S. BALLARD-DD267
PLATFORM DECKS
SCALE 1/8"=1'-0"

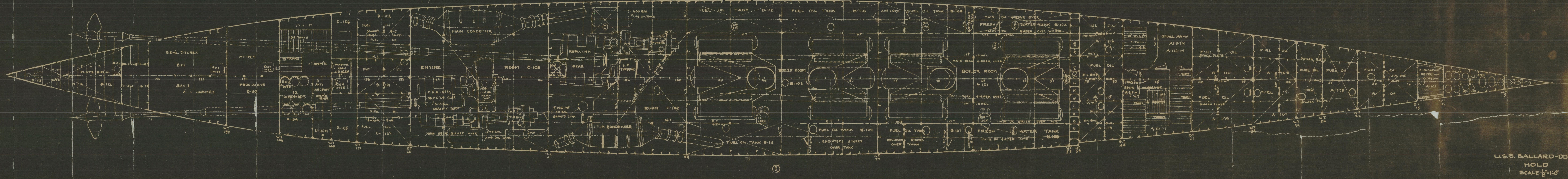


FIRST PLATFORM- AFT.

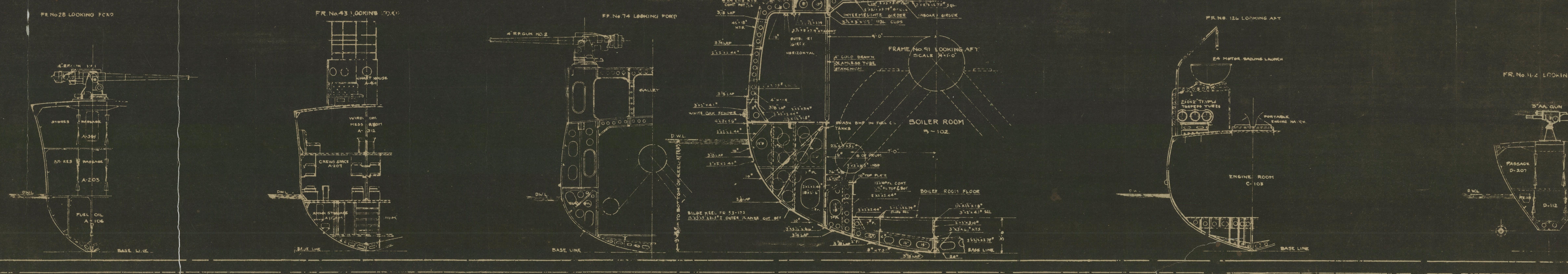
SECOND PLATFORM.

FIRST PLATFORM- FORD.

~~PLATFORM DECKS~~
~~DESTROYERS 231-295~~



U.S.S. BALLARD-DD267
HOLD
SCALE 1/8"=1'-0"



U.S.S. BALLARD-DD267.
CROSS SECTIONS
SCALE 1/4" & 1/8"=1'-0"

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C&R NO 93417-B

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